

CLAIMS

What is claimed is:

1. A method of displaying a dialogue window of a device performed by a device control portion, the method comprising:

requesting an operating system supporting a 16 bit device control portion to display a 32 bit dialogue window for exchange of information between a user and a predetermined device;

receiving 16 bit dialogue window information of the device from the operating system;

converting the received 16 bit dialogue window information to 32 bit dialogue window information; and

displaying the 32 bit dialogue window corresponding to the converted 32 bit dialogue window information.

2. The method of claim 1, wherein the converting comprises:

generating 32 bit base dialogue window information having no content of the 32 bit dialogue window; and

modifying the 16 bit dialogue window information to the converted 32 bit dialogue window information, in response to the 32 bit base dialogue window information.

3. The method of claim 1, wherein the 16 bit dialogue window information comprises a plurality of 16 bit dialogue window page information and the displaying comprises displaying as the converted 32 bit dialogue window information, converted 32 bit page information in response to a request by the user for one of the 16 bit dialogue window page information in the 32 bit dialogue window.

4. An apparatus displaying according to dialogue window information a device dialogue window included in a device control portion, the apparatus comprising:

    a first interface portion receiving 16 bit dialogue window information of the device from a first operating system supporting a 16 bit device control portion;

    a second interface portion receiving 32 bit dialogue window information of the device from a second operating system supporting a 32 bit device control portion;

    a bit converting portion converting the received 16 bit dialogue window information to converted 32 bit dialogue window information and outputting the converted 32 bit dialogue window information; and

    a dialogue window display portion displaying a 32 bit dialogue window corresponding the converted 32 bit dialogue window information.

5. The apparatus of claim 4, wherein the bit converting portion comprises:

    a base dialogue window generating portion generating a 32 bit base dialogue window information having no content of the 32 bit dialogue window and outputting the generated 32 bit base dialogue window information; and

    a data modification portion modifying the received 16 bit dialogue window information to the converted 32 bit dialogue window information and outputting the converted 32 bit dialogue window information to the dialogue window display portion to display the 32 bit dialogue window corresponding to the converted 32 bit dialogue window information, in response to the 32 bit base dialogue window information.

6. The apparatus of claim 4, wherein the dialogue window information comprises a plurality of dialogue window page information, and

    wherein the dialogue window display portion displays as the converted 32 bit dialogue window information, converted 32 bit page information or 32 bit page information, in response to a request by a user for one of the dialogue window page information by requesting the bit converting portion or the second interface portion to provide the converted 32 page information or the 32 bit page information, respectively.

7. The apparatus of claim 4, wherein the 16 bit dialogue window information comprises a plurality of 16 bit dialogue window page information, and wherein the bit converting portion, in response to a request by the dialogue window display portion for a converted 32 bit dialogue window page information as the converted 32 bit dialogue window information, requests the first interface portion to provide one of the 16 bit dialogue window page information of the 16 bit dialogue window information, converts the requested 16 bit dialogue window page information to the converted 32 bit page dialogue window information, and outputs the converted 32 bit page information to the dialogue window display portion.

8. A machine readable data storage storing a device driver program controlling a computer to display a device driver dialogue window to interface with a device regardless of the number of bits supported by the computer operating system, according to a process comprising:  
receiving a request from an operating system supporting a 16 bit device driver to display a 32 bit dialogue window for exchange of information between a user and the device;  
receiving 16 bit dialogue window information of the device from the operating system;  
converting the received 16 bit dialogue window information to 32 bit dialogue window information; and  
displaying the 32 bit dialogue window corresponding to the converted 32 bit dialogue window information.

9. A computer, comprising:  
a machine readable data storage storing a device driver program controlling the computer to interface with a device of the computer, according to a process comprising:  
enabling an interface to input device driver dialogue window information, based upon a number of bits supported by an operating system, and  
displaying the device driver dialogue window corresponding to the input device driver dialogue window information according to the enabled interface.

10. A method, comprising:

displaying a device driver dialogue window of a device using a single multi-enabled operating system interface device driver, thereby displaying the device driver dialogue window regardless of an operating system type.

11. A machine readable data storage storing a device driver program controlling a computer to display a device driver dialogue window to interface with a device, according to a process comprising:

enabling an interface to input device driver dialogue window information, based upon a number of bits supported by an operating system, and

displaying the device driver dialogue window corresponding to the input device driver dialogue window information according to the enabled interface.

12. The storage of claim 10, wherein the interface enabling comprises:

enabling a first number of bits interface or a first number of bits converter interface to the input device driver dialogue window information, based upon the number of bits supported by the operating system;

receiving, by the first number of bits converter interface, a first number of bits dialogue window information of the device from the operating system;

converting, by the first number of bits converter interface, the received first number of bits dialogue window information to a second number of bits dialogue window information; and

displaying the device driver dialogue window corresponding to the converted second number of bits dialogue window information.